MOLECULAR ELECTRONICS OF BIOLOGICAL COMPOUNDS

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Molecular electronics is a interdisciplinary field of study that combines several techniques to find applications of molecules as components of integrated circuits and try miniaturize electronic devices. His benefits are the low consume of energy, flexibility, low size, etc. The analysis of molecules that are in biological compounds provides other point of view to understand how the dynamic electronic configuration in these systems influences the biological processes in plants and animals. All living mater is a complex electronic device. The simplest understanding about molecular electronics in biological compounds can contribute for both applied electronic and biology. In this lecture we will review some recent studies in this field.

KEY-WORDS: Molecular Electronics; Biological Compounds; Applications.